

BLAST Basic Local Alignment Search Tool

Job Title: Icl|21992 (9 letters)

Show Conserved Domains

Putative conserved domains have been detected, click on the image below for detailed results.

32



- Your search parameters were adjusted to search for a short input sequence.
- Your search is limited to records matching entrez query: txid10376 [ORGN].
-

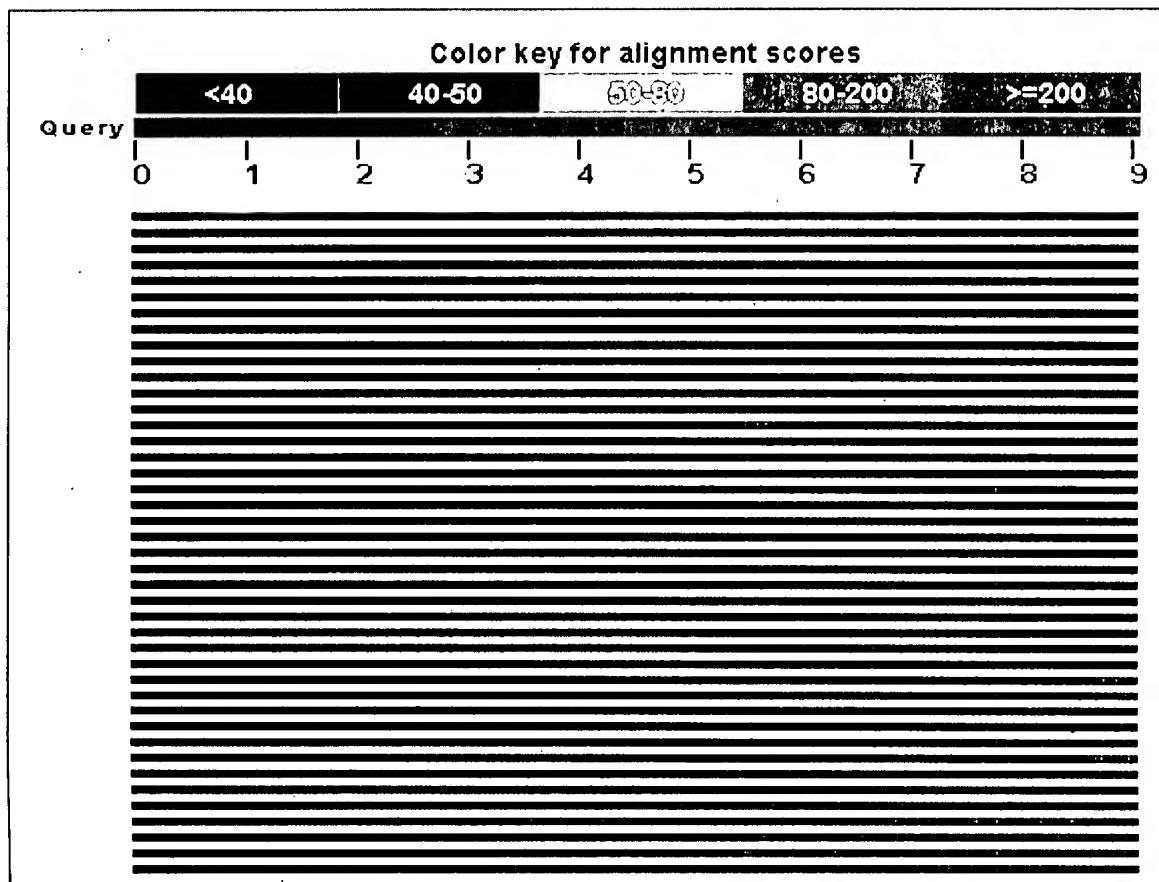
BLASTP 2.2.17 (Aug-26-2007)

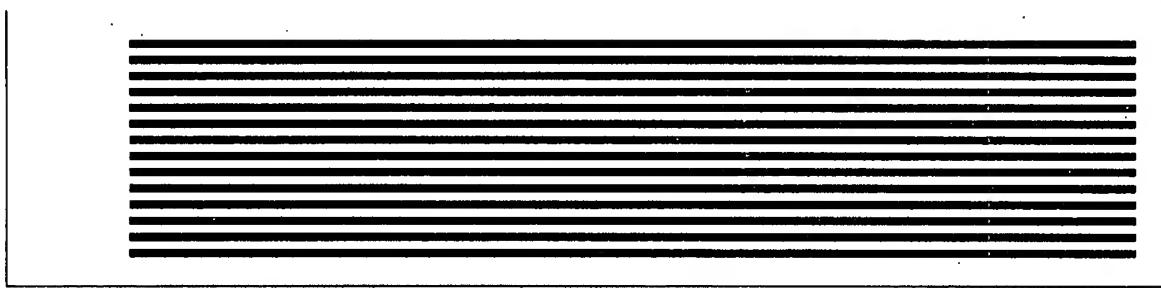
Reference: Altschul, Stephen F., Thomas L. Madden, Alejandro A. Schäffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res. 25:3389-3402. RID: EN6Z0JNH014 Database: All non-redundant GenBank CDS translations+PDB+SwissProt+PIR+PRF excluding environmental samples from WGS projects 5,469,030 sequences; 1,893,730,435 total letters

Query= Length=9

SEQ ID NO: 21

Distribution of 132 Blast Hits on the Query Sequence





Sequences producing significant alignments:		Score (Bits)	E Value
gb ABM45855.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAT01421.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAT01422.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAT01425.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAT01423.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAT01424.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAT01426.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAS99598.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAS99592.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAS99603.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAS99611.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAS99601.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAS99604.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAS99615.1	latent membrane protein 1 [Human herpesvirus 4...]	35.0	5e-05
gb AAS99609.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAS99606.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAS99605.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAS99595.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAS99594.1	latent membrane protein 1 [Human herpesvirus 4...]	35.0	5e-05
gb AAS99591.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAS99593.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAS99602.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAS99613.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAS99614.1	latent membrane protein 1 [Human herpesvirus 4...]	35.0	5e-05
gb AAS99599.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAS99608.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAS99607.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAS99610.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAS99618.1	latent membrane protein 1 [Human herpesvirus 4...]	35.0	5e-05
gb AAS99621.1	latent membrane protein 1 [Human herpesvirus 4...]	35.0	5e-05
gb AAS99620.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAS99616.1	latent membrane protein 1 [Human herpesvirus 4...]	35.0	5e-05
gb AAS99617.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAS99600.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAS99619.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAS99597.1	latent membrane protein 1 [Human herpesvirus 4...]	35.0	5e-05
gb AAS00029.1	latent membrane protein 1 [Human herpesvirus 4...]	35.0	5e-05
gb AAR19272.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAR19271.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAR19270.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAQ16192.2	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAQ16196.2	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAQ16191.2	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAQ16193.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAQ16194.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAQ16195.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAP31580.1	latent membrane protein LMP-1 [Human herpesvirus	35.0	5e-05
gb AAG31283.1 AF304432_1	latent membrane protein-1 [Human herpes	35.0	5e-05
gb AAD01758.1	latent membrane protein 1 [Human herpesvirus 4]	35.0	5e-05
gb AAD19887.1	latent membrane protein-1 [Human herpesvirus 4]	35.0	5e-05
ref YP_001129515.1	LMP-1 [Human herpesvirus 4 type 2] >gb AA...	35.0	5e-05
gb AAA66330.1	latent membrane protein	35.0	5e-05
emb CAA47332.1	latent membrane protein [Human herpesvirus 4]...	35.0	5e-05
ref YP_401722.1	LMP-1 [Human herpesvirus 4 type 1] >sp P0323...	35.0	5e-05
sp P13198 LMP1_EBVR	Latent membrane protein 1 (LMP-1) (Protei...	35.0	5e-05
sp P29362 LMP1_EBVC	Latent membrane protein 1 (LMP-1) (Protei...	35.0	5e-05
gb AAS99612.1	latent membrane protein 1 [Human herpesvirus 4]	18.9	3.4
gb AAS99596.1	latent membrane protein 1 [Human herpesvirus 4...]	18.9	3.4

G**G**

ref YP_401708.1	LF2 [Human herpesvirus 4 type 1] >ref YP_001...	16.3	15	
ref YP_001129484.1	BGLF3 [Human herpesvirus 4 type 2] >gb AA...	16.3	20	
ref YP_401689.1	BGLF3 [Human herpesvirus 4 type 1] >sp P0322...	16.3	20	
gb AAK95617.1 AF401275_1	BALF1 [Human herpesvirus 4]	13.8	117	
ref YP_401718.1	BALF1 [Human herpesvirus 4 type 1] >ref YP_0...	13.8	117	
sp P03229 YAL1_EBV	Hypothetical protein BALF1 >gb AAK95616.1 ...	13.8	117	
ref YP_401691.1	BGLF2 [Human herpesvirus 4 type 1] >ref YP_0...	13.4	156	
ref YP_001129507.1	BALF5 [Human herpesvirus 4 type 2] >gb AB...	10.0	1643	
ref YP_001129444.1	BFLF1 [Human herpesvirus 4 type 2] >gb AB...	10.0	1643	
gb AAA66533.1	putative	10.0	1643	
gb AAV41154.1	unknown [Human herpesvirus 4]	10.0	1643	
ref YP_401721.1	BNLF2a [Human herpesvirus 4 type 1] >ref YP_...	10.0	1643	
ref YP_401648.1	BFLF1 [Human herpesvirus 4 type 1] >sp P0318...	10.0	1643	
ref YP_401712.1	BALF5 [Human herpesvirus 4 type 1] >sp P0319...	10.0	1643	
ref YP_001129500.1	BVLF1 [Human herpesvirus 4 type 2] >gb AB...	8.7	3970	
ref YP_401726.1	BVLF1 [Human herpesvirus 4 type 1] >emb CAJ7...	8.7	3970	
ref YP_401656.1	BaRF1 [Human herpesvirus 4 type 1] >ref YP_0...	8.7	3970	

Alignments

>gb|ABM45855.1| latent membrane protein 1 [Human herpesvirus 4]
Length=188

Score = 35.0 bits (75), Expect = 5e-05
Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
IAYLYLQQNW
Sbjct 156 IAYLYLQQNW 164

Score = 15.9 bits (30), Expect = 27
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
ALYL
Sbjct 104 ALYL 107

>gb|AAT01421.1| latent membrane protein 1 [Human herpesvirus 4]
Length=386

Score = 35.0 bits (75), Expect = 5e-05
Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IAYLYLQQNW 9
IAYLYLQQNW
Sbjct 156 IAYLYLQQNW 164

Score = 15.9 bits (30), Expect = 27
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
ALYL
Sbjct 104 ALYL 107

>gb|AAT01422.1| latent membrane protein 1 [Human herpesvirus 4]
Length=375

Score = 35.0 bits (75), Expect = 5e-05
Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IAYLYLQQNW 9
IAYLYLQQNW
Sbjct 156 IAYLYLQQNW 164

Score = 15.9 bits (30), Expect = 27
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
ALYL
Sbjct 104 ALYL 107

>gb|AAT01425.1| latent membrane protein 1 [Human herpesvirus 4]
Length=381

Score = 35.0 bits (75), Expect = 5e-05
Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
IALYLQQNW
Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
ALYL
Sbjct 104 ALYL 107

>gb|AAT01423.1| latent membrane protein 1 [Human herpesvirus 4]
Length=387

Score = 35.0 bits (75), Expect = 5e-05
Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
IALYLQQNW
Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
ALYL
Sbjct 104 ALYL 107

>gb|AAT01424.1| latent membrane protein 1 [Human herpesvirus 4]
Length=390

Score = 35.0 bits (75), Expect = 5e-05
Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
IALYLQQNW
Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
ALYL
Sbjct 104 ALYL 107

>gb|AAT01426.1| latent membrane protein 1 [Human herpesvirus 4]
Length=386

Score = 35.0 bits (75), Expect = 5e-05
Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
IALYLQQNW
Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
 Sbjct 104 ALYL 107

>gb|AAS99598.1| latent membrane protein 1 [Human herpesvirus 4]
 Length=392

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
 Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
 Sbjct 104 ALYL 107

>gb|AAS99592.1| latent membrane protein 1 [Human herpesvirus 4]
 Length=382

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
 Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
 Sbjct 104 ALYL 107

>gb|AAS99603.1| latent membrane protein 1 [Human herpesvirus 4]
 Length=371

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
 Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
 Sbjct 104 ALYL 107

>gb|AAS99611.1| latent membrane protein 1 [Human herpesvirus 4]
 Length=381

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
 Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
 Sbjct 104 ALYL 107

>gb|AAS99601.1| latent membrane protein 1 [Human herpesvirus 4]
Length=393

Score = 35.0 bits (75), Expect = 5e-05
Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
IAYLYLQQNW
Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
ALYL
Sbjct 104 ALYL 107

>gb|AAS99604.1| latent membrane protein 1 [Human herpesvirus 4]
Length=381

Score = 35.0 bits (75), Expect = 5e-05
Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
IAYLYLQQNW
Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
ALYL
Sbjct 104 ALYL 107

>gb|AAS99615.1| latent membrane protein 1 [Human herpesvirus 4]
>gb|AAS99623.1| latent membrane protein 1 [Human herpesvirus 4]
Length=404

Score = 35.0 bits (75), Expect = 5e-05
Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
IAYLYLQQNW
Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
ALYL
Sbjct 104 ALYL 107

>gb|AAS99609.1| latent membrane protein 1 [Human herpesvirus 4]
Length=358

Score = 35.0 bits (75), Expect = 5e-05
Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
IAYLYLQQNW
Sbjct 155 IALYLQQNW 163

Score = 15.9 bits (30), Expect = 27
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
ALYL
Sbjct 104 ALYL 107

>gb|AAS99606.1| latent membrane protein 1 [Human herpesvirus 4]
Length=371

Score = 35.0 bits (75), Expect = 5e-05

Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9

IALYLQQNW

Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27

Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5

ALYL

Sbjct 104 ALYL 107

>gb|AAS99605.1| latent membrane protein 1 [Human herpesvirus 4]

Length=379

Score = 35.0 bits (75), Expect = 5e-05

Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9

IALYLQQNW

Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27

Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5

ALYL

Sbjct 104 ALYL 107

>gb|AAS99595.1| latent membrane protein 1 [Human herpesvirus 4]

Length=371

Score = 35.0 bits (75), Expect = 5e-05

Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9

IALYLQQNW

Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27

Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5

ALYL

Sbjct 104 ALYL 107

>gb|AAS99594.1| latent membrane protein 1 [Human herpesvirus 4]

>gb|AAS99626.1| latent membrane protein 1 [Human herpesvirus 4]

Length=393

Score = 35.0 bits (75), Expect = 5e-05

Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9

IALYLQQNW

Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27

Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5

ALYL

Sbjct 104 ALYL 107

>gb|AAS99591.1| latent membrane protein 1 [Human herpesvirus 4]

Length=404

Score = 35.0 bits (75), Expect = 5e-05

Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9

IALYLQQNW

Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5

ALYL

Sbjct 104 ALYL 107

>gb|AAS99593.1| latent membrane protein 1 [Human herpesvirus 4]
 Length=382

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9

IALYLQQNW

Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5

ALYL

Sbjct 104 ALYL 107

>gb|AAS99602.1| latent membrane protein 1 [Human herpesvirus 4]
 Length=382

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9

IALYLQQNW

Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5

ALYL

Sbjct 104 ALYL 107

>gb|AAS99613.1| latent membrane protein 1 [Human herpesvirus 4]
 Length=382

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9

IALYLQQNW

Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5

ALYL

Sbjct 104 ALYL 107

>gb|AAS99614.1| latent membrane protein 1 [Human herpesvirus 4]
 >gb|AAS99622.1| latent membrane protein 1 [Human herpesvirus 4]
 Length=382

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9

IALYLQQNW

Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27

Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
ALYL
Sbjct 104 ALYL 107

>gb|AAS99599.1| latent membrane protein 1 [Human herpesvirus 4]
Length=392

Score = 35.0 bits (75), Expect = 5e-05
Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
IALYLQQNW
Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
ALYL
Sbjct 104 ALYL 107

>gb|AAS99608.1| latent membrane protein 1 [Human herpesvirus 4]
Length=371

Score = 35.0 bits (75), Expect = 5e-05
Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
IALYLQQNW
Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
ALYL
Sbjct 104 ALYL 107

>gb|AAS99607.1| latent membrane protein 1 [Human herpesvirus 4]
Length=371

Score = 35.0 bits (75), Expect = 5e-05
Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
IALYLQQNW
Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
ALYL
Sbjct 104 ALYL 107

>gb|AAS99610.1| latent membrane protein 1 [Human herpesvirus 4]
Length=392

Score = 35.0 bits (75), Expect = 5e-05
Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
IALYLQQNW
Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
ALYL
Sbjct 104 ALYL 107

>gb|AAS99618.1| latent membrane protein 1 [Human herpesvirus 4]
 >gb|AAS99628.1| latent membrane protein 1 [Human herpesvirus 4]
 Length=403

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
 IALYLQQNW
 Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
 ALYL
 Sbjct 104 ALYL 107

>gb|AAS99621.1| latent membrane protein 1 [Human herpesvirus 4]
 >gb|AAS99629.1| latent membrane protein 1 [Human herpesvirus 4]
 Length=382

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
 IALYLQQNW
 Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
 ALYL
 Sbjct 104 ALYL 107

>gb|AAS99620.1| latent membrane protein 1 [Human herpesvirus 4]
 Length=376

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
 IALYLQQNW
 Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
 ALYL
 Sbjct 104 ALYL 107

>gb|AAS99616.1| latent membrane protein 1 [Human herpesvirus 4]
 >gb|AAS99624.1| latent membrane protein 1 [Human herpesvirus 4]
 Length=392

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
 IALYLQQNW
 Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
 ALYL
 Sbjct 104 ALYL 107

>gb|AAS99617.1| latent membrane protein 1 [Human herpesvirus 4]
Length=403

Score = 35.0 bits (75), Expect = 5e-05
Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
IALYLQQNW
Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
ALYL
Sbjct 104 ALYL 107

>gb|AAS99600.1| latent membrane protein 1 [Human herpesvirus 4]
Length=382

Score = 35.0 bits (75), Expect = 5e-05
Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
IALYLQQNW
Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
ALYL
Sbjct 104 ALYL 107

>gb|AAS99619.1| latent membrane protein 1 [Human herpesvirus 4]
Length=382

Score = 35.0 bits (75), Expect = 5e-05
Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
IALYLQQNW
Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
ALYL
Sbjct 104 ALYL 107

>gb|AAS99597.1| latent membrane protein 1 [Human herpesvirus 4]
>gb|AAS99625.1| latent membrane protein 1 [Human herpesvirus 4]
Length=382

Score = 35.0 bits (75), Expect = 5e-05
Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
IALYLQQNW
Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
ALYL
Sbjct 104 ALYL 107

>gb|AAS00029.1| latent membrane protein 1 [Human herpesvirus 4]
>gb|AAS99590.1| latent membrane protein 1 [Human herpesvirus 4]
Length=382

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
 IALYLQQNW
 Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
 ALYL
 Sbjct 104 ALYL 107

>gb|AAR19272.1| latent membrane protein 1 [Human herpesvirus 4]
 Length=382

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
 IALYLQQNW
 Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
 ALYL
 Sbjct 104 ALYL 107

>gb|AAR19271.1| latent membrane protein 1 [Human herpesvirus 4]
 Length=371

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
 IALYLQQNW
 Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
 ALYL
 Sbjct 104 ALYL 107

>gb|AAR19270.1| latent membrane protein 1 [Human herpesvirus 4]
 Length=415

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
 IALYLQQNW
 Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
 ALYL
 Sbjct 104 ALYL 107

>gb|AAQ16192.2| latent membrane protein 1 [Human herpesvirus 4]
 Length=371

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
 IALYLQQNW

Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5

ALYL

Sbjct 104 ALYL 107

>gb|AAQ16196.2| latent membrane protein 1 [Human herpesvirus 4]
 Length=381

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9

IALYLQQNW

Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5

ALYL

Sbjct 104 ALYL 107

>gb|AAQ16191.2| latent membrane protein 1 [Human herpesvirus 4]
 Length=381

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9

IALYLQQNW

Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5

ALYL

Sbjct 104 ALYL 107

>gb|AAQ16193.1| latent membrane protein 1 [Human herpesvirus 4]
 Length=371

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9

IALYLQQNW

Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5

ALYL

Sbjct 104 ALYL 107

>gb|AAQ16194.1| latent membrane protein 1 [Human herpesvirus 4]
 Length=381

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9

IALYLQQNW

Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
 Sbjct 104 ALYL 107

>gb|AAQ16195.1| latent membrane protein 1 [Human herpesvirus 4]
 Length=381

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
 Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
 Sbjct 104 ALYL 107

>gb|AAP31580.1| latent membrane protein LMP-1 [Human herpesvirus 4 type 1]
 Length=382

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
 Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
 Sbjct 104 ALYL 107

>gb|AAG31283.1|AF304432_1 latent membrane protein-1 [Human herpesvirus 4]
 Length=404

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
 Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
 Sbjct 104 ALYL 107

>gb|AAD01758.1| latent membrane protein 1 [Human herpesvirus 4]
 Length=382

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
 Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
 Sbjct 104 ALYL 107

>gb|AAD19887.1| latent membrane protein-1 [Human herpesvirus 4]
Length=371

Score = 35.0 bits (75), Expect = 5e-05
Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9.
IALYLQQNW
Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
ALYL
Sbjct 104 ALYL 107

>ref|YP_001129515.1| **G** LMP-1 [Human herpesvirus 4 type 2]

gb|AAA53227.1| **G** latent membrane protein 1

gb|ABB89294.1| **G** LMP-1 [Human herpesvirus 4]

Length=371

Score = 35.0 bits (75), Expect = 5e-05
Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
IALYLQQNW
Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
ALYL
Sbjct 104 ALYL 107

>gb|AAA66330.1| latent membrane protein
Length=386

Score = 35.0 bits (75), Expect = 5e-05
Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
IALYLQQNW
Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
ALYL
Sbjct 104 ALYL 107

>emb|CAA47332.1| latent membrane protein [Human herpesvirus 4]

gb|AAA45886.1| latent membrane protein

Length=381

Score = 35.0 bits (75), Expect = 5e-05
Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
IALYLQQNW
Sbjct 155 IALYLQQNW 163

Score = 15.9 bits (30), Expect = 27
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
ALYL
Sbjct 104 ALYL 107

>ref|YP_401722.1| **G** LMP-1 [Human herpesvirus 4 type 1]
 sp|P03230|LMP1_EBV Latent membrane protein 1 (LMP-1) (Protein p63) [Contains: Protein p25]
 emb|CAA26023.1| 42kd protein pot. membrane protein [Human herpesvirus 4]
 gb|AAA45888.1| EBV membrane protein
 emb|CAD53472.1| **G** LMP1 [Human herpesvirus 4]
 Length=386

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
 IALYLQQNW
 Sbjct 156 IALYLQQNW 164

>sp|P13198|LMP1_EBVR Latent membrane protein 1 (LMP-1) (Protein p63)
 gb|AAA66532.1| latent membrane protein
 Length=386

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
 IALYLQQNW
 Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
 ALYL
 Sbjct 104 ALYL 107

>sp|P29362|LMP1_EBVC Latent membrane protein 1 (LMP-1) (Protein p63)
 emb|CAA41148.1| latent membrane protein LMP1 [Human herpesvirus 4]
 dbj|BAA00948.1| LMP1 [Human herpesvirus 4]
 Length=404

Score = 35.0 bits (75), Expect = 5e-05
 Identities = 9/9 (100%), Positives = 9/9 (100%), Gaps = 0/9 (0%)

Query 1 IALYLQQNW 9
 IALYLQQNW
 Sbjct 156 IALYLQQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
 ALYL
 Sbjct 104 ALYL 107

>gb|AAS99612.1| latent membrane protein 1 [Human herpesvirus 4]
 Length=382

Score = 18.9 bits (37), Expect = 3.4
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 6 QQNW 9
 QQNW
 Sbjct 161 QQNW 164

Score = 15.9 bits (30), Expect = 27
 Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
 ALYL
 Sbjct 104 ALYL 107

>gb|AAS99596.1| latent membrane protein 1 [Human herpesvirus 4]

gb|AAS99627.1| latent membrane protein 1 [Human herpesvirus 4]
Length=393

Score = 18.9 bits (37), Expect = 3.4
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 6 QQNW 9
QQNW
Sbjct 161 QQNW 164

Score = 15.9 bits (30), Expect = 27
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
ALYL
Sbjct 104 ALYL 107

>ref|YP_401708.1| **G** LF2 [Human herpesvirus 4 type 1]
ref|YP_001129504.1| **G** LF2 [Human herpesvirus 4 type 2]
gb|AAA45897.1| LF2 gene product
emb|CAD53458.1| **G** LF2 protein [Human herpesvirus 4]
gb|ABB89283.1| **G** LF2 [Human herpesvirus 4]
Length=429

Score = 16.8 bits (32), Expect = 15
Identities = 4/4 (100%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 3 LYLO 6
LYLO
Sbjct 157 LYLO 160

>ref|YP_001129484.1| **G** BGLF3 [Human herpesvirus 4 type 2]
gb|AAV41135.1| unknown [Human herpesvirus 4]
gb|ABB89267.1| **G** BGLF3 [Human herpesvirus 4]
Length=332

Score = 16.3 bits (31), Expect = 20
Identities = 5/9 (55%), Positives = 7/9 (77%), Gaps = 1/9 (11%)

Query 2 ALYLO-QNW 9
ALYL ++W
Sbjct 218 ALYLDVRDW 226

>ref|YP_401689.1| **G** BGLF3 [Human herpesvirus 4 type 1]
sp|P03220|UL95 EBV Protein BGLF3
emb|CAA24830.1| unnamed protein product [Human herpesvirus 4]
emb|CAD53439.1| **G** BGLF3 protein [Human herpesvirus 4]
Length=332

Score = 16.3 bits (31), Expect = 20
Identities = 5/9 (55%), Positives = 7/9 (77%), Gaps = 1/9 (11%)

Query 2 ALYLO-QNW 9
ALYL ++W
Sbjct 218 ALYLDVRDW 226

>gb|AAK95617.1|AF401275_1 BALF1 [Human herpesvirus 4]
Length=220

Score = 13.8 bits (25), Expect = 117
Identities = 4/5 (80%), Positives = 4/5 (80%), Gaps = 0/5 (0%)

Query 1 IALYL 5
IA YL
Sbjct 178 IAHYL 182

>ref|YP_401718.1| **G** BALF1 [Human herpesvirus 4 type 1]
ref|YP_001129511.1| **G** BALF1 [Human herpesvirus 4 type 2]

gb|ABB89290.1| **G** BALF1 [Human herpesvirus 4]
 Length=182
 Score = 13.8 bits (25), Expect = 117
 Identities = 4/5 (80%), Positives = 4/5 (80%), Gaps = 0/5 (0%)

Query 1 IALYL 5
 IA YL
 Sbjct 140 IAHYL 144

>sp|P03229|YAL1 EBV Hypothetical protein BALF1
 gb|AAK95616.1|AF401274 1 BALF1 [Human herpesvirus 4]
 gb|AAK95618.1|AF401276 1 BALF1 [Human herpesvirus 4]
 gb|AAK95619.1|AF401277 1 BALF1 [Human herpesvirus 4]
 gb|AAK95620.1|AF401278 1 BALF1 [Human herpesvirus 4]
 emb|CAA24810.1| unnamed protein product [Human herpesvirus 4]
 emb|CAD53468.1| **G** hypothetical BALF1 protein [Human herpesvirus 4]
 gb|AAY41157.1| unknown [Human herpesvirus 4]
 Length=220

Score = 13.8 bits (25), Expect = 117
 Identities = 4/5 (80%), Positives = 4/5 (80%), Gaps = 0/5 (0%)

Query 1 IALYL 5
 IA YL
 Sbjct 178 IAHYL 182

>ref|YP_401691.1| **G** BGLF2 [Human herpesvirus 4 type 1]
 ref|YP_001129486.1| **G** BGLF2 [Human herpesvirus 4 type 2]
 sp|P03221|UL16 EBV Protein BGLF2
 gb|AAB21113.1| 36 kda protein [Human herpesvirus 4]
 gb|AAA45871.1| BGLF2
 emb|CAA24831.1| unnamed protein product [Human herpesvirus 4]
 emb|CAD53441.1| **G** BGLF2 protein [Human herpesvirus 4]
 gb|AAY41138.1| unknown [Human herpesvirus 4]
 gb|ABB89265.1| **G** BGLF2 [Human herpesvirus 4]
 Length=336

Score = 13.4 bits (24), Expect = 156
 Identities = 3/4 (75%), Positives = 4/4 (100%), Gaps = 0/4 (0%)

Query 2 ALYL 5
 ALY+
 Sbjct 172 ALYM 175

>ref|YP_001129507.1| **G** BALF5 [Human herpesvirus 4 type 2]
 gb|ABB89286.1| **G** BALF5 [Human herpesvirus 4]
 Length=1015
 Score = 10.0 bits (16), Expect = 1643
 Identities = 2/2 (100%), Positives = 2/2 (100%), Gaps = 0/2 (0%)

Query 7 QN 8
 ON
 Sbjct 1007 QN 1008

>ref|YP_001129444.1| **G** BFLF1 [Human herpesvirus 4 type 2]
 gb|ABB89224.1| **G** BFLF1 [Human herpesvirus 4]
 Length=525
 Score = 10.0 bits (16), Expect = 1643
 Identities = 2/2 (100%), Positives = 2/2 (100%), Gaps = 0/2 (0%)

Query 7 QN 8
 QN
 Sbjct 466 QN 467

>gb|AAA66533.1| putative
 Length=60

Score = 10.0 bits (16), Expect = 1643
 Identities = 2/2 (100%), Positives = 2/2 (100%), Gaps = 0/2 (0%)

Query 6 QQ 7
 Sbjct 12 QQ 13

>gb|AAY41154.1| unknown [Human herpesvirus 4]
 Length=1015

Score = 10.0 bits (16), Expect = 1643
 Identities = 2/2 (100%), Positives = 2/2 (100%), Gaps = 0/2 (0%)

Query 7 QN 8
 Sbjct 1007 QN 1008

>ref|YP_401721.1| **G** BNLF2a [Human herpesvirus 4 type 1]
 ref|YP_001129514.1| **G** BNLF2a [Human herpesvirus 4 type 2]
 emb|CAA26024.1| unnamed protein product [Human herpesvirus 4]
 emb|CAA24812.1| unnamed protein product [Human herpesvirus 4]
 emb|CAD53471.1| **G** hypothetical BNLF2A protein [Human herpesvirus 4]
 gb|AAY41159.1| unknown [Human herpesvirus 4]
 gb|ABB89293.1| **G** BNLF2a [Human herpesvirus 4]
 Length=60

Score = 10.0 bits (16), Expect = 1643
 Identities = 2/2 (100%), Positives = 2/2 (100%), Gaps = 0/2 (0%)

Query 6 QQ 7
 Sbjct 12 QQ 13

>ref|YP_401648.1| **G** BFLF1 [Human herpesvirus 4 type 1]
 sp|P03184|UL32_EBV Probable major envelope glycoprotein BFLF1
 gb|AAA45867.1| putative 58 kDa protein, BFLF1; putative
 emb|CAA24878.1| unnamed protein product [Human herpesvirus 4]
 emb|CAD53398.1| **G** BFLF1 [Human herpesvirus 4]
 Length=525

Score = 10.0 bits (16), Expect = 1643
 Identities = 2/2 (100%), Positives = 2/2 (100%), Gaps = 0/2 (0%)

Query 7 QN 8
 Sbjct 466 QN 467

>ref|YP_401712.1| **G** BALF5 [Human herpesvirus 4 type 1]
 sp|P03198|DPOL_EBV DNA polymerase
 emb|CAA24805.1| unnamed protein product [Human herpesvirus 4]
 emb|CAD53462.1| **G** DNA polymerase [Human herpesvirus 4]
 Length=1015

Score = 10.0 bits (16), Expect = 1643
 Identities = 2/2 (100%), Positives = 2/2 (100%), Gaps = 0/2 (0%)

Query 7 QN 8
 Sbjct 1007 QN 1008

>ref|YP_001129500.1| **G** BVLF1 [Human herpesvirus 4 type 2]
 gb|ABB89295.1| **G** BVLF1 [Human herpesvirus 4]
 Length=272

Score = 8.7 bits (13), Expect = 3970
 Identities = 1/1 (100%), Positives = 1/1 (100%), Gaps = 0/1 (0%)

Query 9 W 9

Sbjct W
172 W 172

>ref|YP_401726.1| G BVLF1 [Human herpesvirus 4 type 1]
 emb|CAJ75461.1| BVLF1 [Human herpesvirus 4]
 Length=272

Score = 8.7 bits (13), Expect = 3970
 Identities = 1/1 (100%), Positives = 1/1 (100%), Gaps = 0/1 (0%)

Query 9 W 9
 W
 Sbjct 172 W 172

>ref|YP_401656.1| G BaRF1 [Human herpesvirus 4 type 1]
 ref|YP_001129453.1| G BaRF1 [Human herpesvirus 4 type 2]
 sp|P03175|RIR2 EBV Ribonucleoside-diphosphate reductase small chain (Ribonucleotide
 reductase small subunit) (Ribonucleotide reductase 38 kDa
 subunit)
 emb|CAA24843.1| unnamed protein product [Human herpesvirus 4]
 emb|CAD53406.1| G ribonucleoside-diphosphate reductase small chain [Human herpesvirus
 4]
 gb|AY41106.1| unknown [Human herpesvirus 4]
 gb|ABB89233.1| G BaRF1 [Human herpesvirus 4]
 Length=302

Score = 8.7 bits (13), Expect = 3970
 Identities = 1/1 (100%), Positives = 1/1 (100%), Gaps = 0/1 (0%)

Query 9 W 9
 W
 Sbjct 132 W 132

Database: All non-redundant GenBank CDS translations+PDB+SwissProt+PIR+PRF excluding
 environmental samples from WGS projects

Posted date: Sep 13, 2007 5:56 PM
 Number of letters in database: 183,225
 Number of sequences in database: 575

Lambda K H
 0.328 0.272 1.90

Gapped
 Lambda K H
 0.294 0.110 0.610

Matrix: PAM30
 Gap Penalties: Existence: 9, Extension: 1
 Number of Sequences: 575
 Number of Hits to DB: 26
 Number of extensions: 0
 Number of successful extensions: 0
 Number of sequences better than 200000: 0
 Number of HSP's better than 200000 without gapping: 0
 Number of HSP's gapped: 0
 Number of HSP's successfully gapped: 0

Length of query: 9
 Length of database: 183225
 Length adjustment: 0
 Effective length of query: 9
 Effective length of database: 183225
 Effective search space: 1649025
 Effective search space used: 1649025
 T: 11
 A: 40
 X1: 1 (0.5 bits)

X2: 35 (14.8 bits)
X3: 58 (24.6 bits)
S1: 1 (3.6 bits)
S2: 0 (3.2 bits)



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Time Result

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#25 Related Articles for PubMed (Select 1377222)	11:36:39	173
#21 Search #19 AND (LMP1 or LMP-1 or "latent membrane protein 1") Field: Title/Abstract	11:33:01	16
#20 Search #19 AND (LMP1 or "latent membrane protein 1") Field: Title/Abstract	11:32:47	14
#19 Search (EBV OR epstein-barr OR "epstein barr virus") AND (CTL OR t-cell OR "T cell") AND epitope Field: Title/Abstract	11:32:13	274
#18 Search (EBV or epstein-barr or "epstein barr virus") AND (CTL or T-cell or "T cell") AND epitope Field: Title/Abstract	11:32:06	0

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